動ひずみ測定器



ストレンアンプ AS1603/AS1703/AS1803 AS2503/AS2603







ACブリッジ方式・汎用タイプ AS1603/AS1703



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特長

●高感度・高応答

感度±200×10⁻⁶ひずみ入力で10V(BV=2V) 最大ゲイン:50,000倍

●簡単操作

ワンタッチ (ボタンひとつ)で入力系全体のチェック (断線・線長補正)から初期バランス調整 (オートバランス機能)が可能。

●誤操作防止

各設定キーをロック可能(CAL印加以外)。

●厳しい温度条件でも動作可能

AC100~240V、DC10V~30V 使用温度範囲:-10℃~50℃ 温度安定度 (零点):±0.1×10-6ひずみ/℃以内

●優れた耐振性:29.4m/s² 車載試験を考慮した振動設計。

■ACブリッジ方式・耐ノイズ タイプ AS1803



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	П	П	П	П	П	П	П	П	П	П

特長

●高精度計測

当社独自の絶縁回路、各種ノイズ除去設計を採用。

●優れた安全性

AC電源入力系に耐サージ素子を内蔵。サージ電圧(数kV)から計測システムの安全を確保。

●簡易指示計

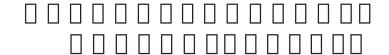
17ドットLED:100Hzまで追従、4桁¹/2デジタルLED。

●操作性に優れた各種機能を搭載

線長補正機能、断線チェック機能、オートバランス機能等。

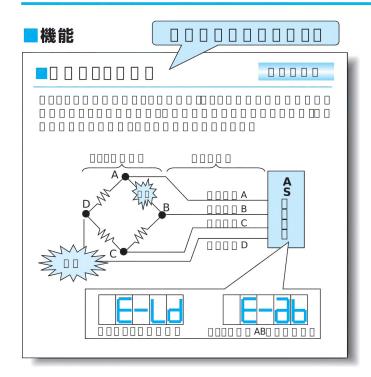
■DCブリッジ方式・広帯域タイプ AS2503、アイソレーションタイプ AS2603

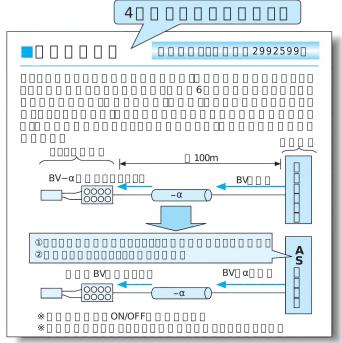


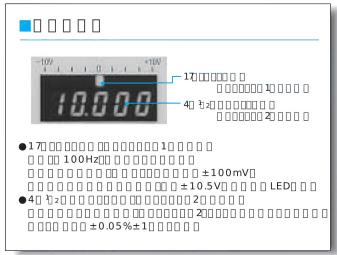


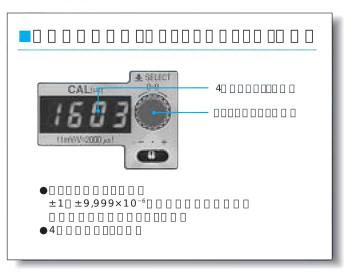
特長

- ●従来比2.5倍の広帯域 応答周波数 DC~500kHz(AS2503)
- 高入力インピーダンス、優れた非直線性入力インピーダンス 10MΩ、±0.01%/FS (AS2503)の非直線性を確保。抵抗値の高いゲージでも高精度な測定が可能。
- ●システム用途に最適な入出力アイソレーション (AS2603)
 入出力間にアイソレーション回路を採用。
- ●各種フィルタを搭載(ハイパス/ローパスフィルタ)
- 直流増幅器として使用可能 最大利得10,000倍(AS2503)の高精度DCアンプとして使用可能。







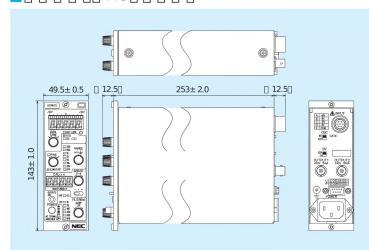


■仕様

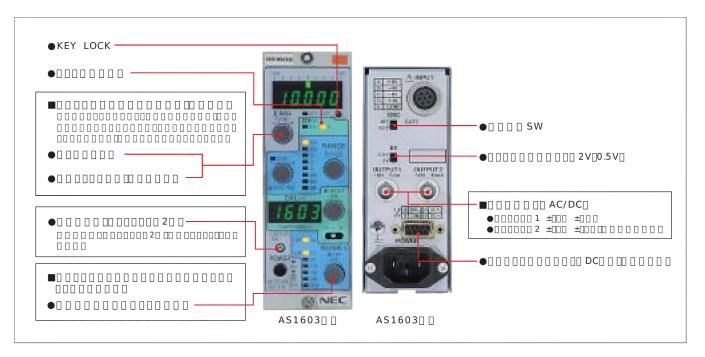
AC D D D D D D

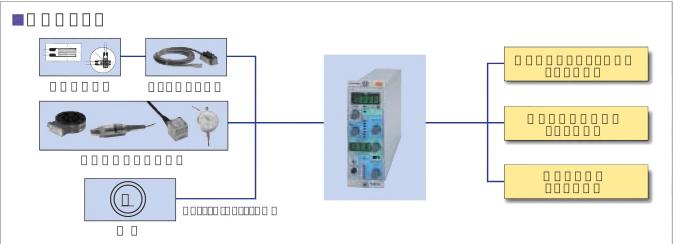
	***************************************	******
	AS1603;	AS1703
00000	1000000	
000000	60[] 1,000Ω	
	2.00	
000000	0.50 20 5000 0	0.50 20 25000 0
	0 0 0 0 0 0 0 2.50	0 0 0 0 0 0 0 0 2.50
0 0 0 0 0 0 0 0 0 0		
	0 0 0 0 0 0 0 0 0 0 0 0 0 0 LEDO 0 0 0 0 0 0 SW0 0 0 0 0	
000000		
	ON/OFF *	
000000		
	± 0.4× 10 ⁻⁶ []	±1.0×10 ⁻⁶
	20.4× 10 [] [] [] [[[KANGE = 200]] [NE] [] [] [] V = 2V []	500[FINE[] [] []BV=2V[]
	±200,000×10 ⁻⁶	±500,000×10-6 RANGE=
000000	□ RANGE=20] □ FINE = 2.5 □ BV=0.5 V □	500 [FINE = 2.5] BV=0.5V[
	± 200× 10 ⁻⁶ [] [] ± 10[] RANGE = 200[FINE[] [±500×10-6 [] [] [] ±10]
	BV=2V[RANGE=500[FINE[]]BV=2V[]
000000	200[500[1][2][5][10][20[[]10-6][]0]2[BV[]0]	500[][][2][5][10][20][50k
	OFF	0 10-6 0 0 20 BV0 000FF
	FINE RANGE	
00000	□ □ □ ± 1□ 9,999× 10 ⁻⁶ □ □ □ □ □ □ ±□ 0.5□□□□ □ 0.5× 1	10-9
0000	± 0.1[] [][]	± 0.2[] [] []
00000	[00 0 10000 ±000
00000000	20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2
00000000	400000000	0000000000
	10_30_100_300_500	10[]30[]100[]500]][][]3k
	±0[1×10-6]°C] ±0[5×10-6]24h[П
	□ □ ±0[05□ □ °C] □ ±0[2□ □ 24h□ □	
	2.0× 10 ⁻⁶ [] [p-p] [] [] W] B[RANGE=200[FINE] []	6.0× 10 ⁻⁶ ППП р-рППППП
	BV=2V[12ΩΩ[]][] [] []	<pre>U W/B□RANGE=500□FINE□□□□</pre>
	0.6×10-6	BV=2V 120Ω[[[[[[[[[[[[[[[[[[[[[[[[[[[[[[[[[[[[
	FINE() () BV=2V()12ΩΩ() () () () ()	2.0×10 ⁻⁶
		DC[] 100Hz[]RANGE=500[]FINE [] [] [] BV=2V[]120Ω[] [] [] [] [] [] []
00000		
	000000 1 ±100 ±5000000000 2 ±100 ±1000	
0000		10.0.0
000000	17] 00 00 00 00 00 00 ± 10.5	
000000	40 1/20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ט ט ט ט ט ט ט ט ט ט ט
	0 0 0 0 SW00000000000000000000000000000	
000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
00000	000000000000000000000000000000000000000	
	29.4] [] s ²] 3] [] 50Hz[X[Y[]Z[] 10] []	
	A,B,C,D,E AC1kV	
	AC	
	DC	AC500V
0000	[[] 85[] 132[] [] [] 180[] 264[] [] [] [] [] [] [] [] [] 9VA[] []
0000	DC10[] 30V 6VA [] []	
00000000	−10°C] [50°C] 20[85[RH] [[[[[[[[[[[[[[[[[[[
	H14B ± 1.0[× W49.5] ± 0.5[× D25B] ± 2.0[] * [] []	iΠ
	1.35 ±1.000 0	
шШ		

	AS2503 [AS2603 00000000000000000000000000000000000						
00000	1000000							
000000	50[] 1,00Ω							
0000	.00							
000000	D] 2V[]3V[]5V[]9V[]10V] 2V[]3V[]5V[]9V[]10V						
00000000]						
00000	00000000000000000000000000000000000000							
	± 2 ± 10,000× 10 ⁻⁶							
00000	± 1.0× 10 ⁻⁶ [] [] [] [] [] [] [] [] RANGE=[] [FINE[] [] []BV=2V[]	± 2.0× 10 ⁻⁶ [[] [] [] [] [] [] [] [] [] [
00000	± 125[000× 10 ⁻⁶] [] [] [] RANGE=50] [FINE=2.5[BV=2V]	± 250[D00×10 ⁻⁶] [] [] [] RANGE=100] [FINE=[2.5[BV=2V]						
0000	± 1,000× 10 ⁻⁶ [] [] [] [] ± 10[] [] RANGE=[] [] FINE[] [] [] BV=2V[]	± 2,000× 10 ⁻⁶] [] [] [] ± 10] [] RANGE=2] [FINE] [] [BV=2V]						
00000	1) [2] [5] [10] [20] [50] [[10-6] [] [2] BV[[[OFF	2] [5] [10] [20] [50] [100] [[] 10 ⁻⁶ [] [] 2] BV [] OFF						
000	FINE RANGE	00000						
00000	[] [] ± 1[] 9,999× 10 ⁻⁶ [] [] []							
	±0 0 00 0000 0	±0.00.50.00.00.0						
00000	[[] 500][[] [] 1[]—3dB [] [] 100][[] [] 1[]—3dB							
00000000	2□ □ □ □ □ □ □ 0.5H፳ □ □ □ □ □ □ □ − 12dB□□□□							
0000000	40 0 0 0 0 0 0 0 10030010001k030k][[] [
	0 ± 1×10 ⁻⁶ 0 0 0 °C0 0 ±5×1 0 ± 00010 0 °C0 0 ± 00050 0 24h							
	80× 10 ⁻⁶ p-p	50× 10 ⁻⁶						
	W/B[RANGE=1]							
	1200	1200						
	20× 10 ⁻⁶ [[p-p] [] [20× 10 ⁻⁶ [[p-p[] []						
	DC[] 30kHz[RANGE=1][FINE[] []							
	BV=2V[]12Ω[] [] [] []	BV=2V[12Ω[] [] [] [
		[2 ± 10] ± 10] [
000000	17] [] [] [] OUTPUT1 [] [] [] ±							
000000	40 1/20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0							
0000000	0000000000100000000000000] [] ON/OFF						
000000	000000000000000000000000000000000000000	00000000000						
	29.4[] [] sf 3] [] 50Hz[X[Y[Z] 10[] []						
000	00000000000000000000000000000000000000							
	AC AC AC	5) V 00 00 00 00 00 00 00 0						
	DC[[[[[[]]]]]] AQ[[V[[]]] DC							
0000	[85[132] [] 180[264[] [] []							
0000	DC10[30V 7VA[[
00000000	-10°Q [] 50°Q 20[85[RH[] [] [10000000						
0000	H14B ± 1.0[]× W49.b] ± 0.5[]× D25B] :							
	1.40 ± 1.0 []							



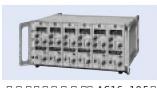
	AS2503	AS2603
00000000	10MΩ 10MΩ	
	± 10] []	00000000000000
000000	± 1µ V() () () () () () () () () () () () () (± 2µ V() () () () () () () () () () () () () (
0000	± 125] []] RANGE = 50] [] FINE = 2.5 [BV = 2V []	± 250] []] RANGE=100] [] FINE =[2.5[]BV=2V[]
	x10,000 RANGE=1k[] 5,000 [] [] [] 2,000 5k[] 1,000 10k[] 500 20k[]	
	□ 200 50k FINE □ □	200 50km 100 100km FINE 0
	± 0.1[]	
	Ω 70] B	Ω 1000 B
] CMRR[]	☐ 50☐60H☐ ☐	□ 50□60H□□
0000000	±8V0000000	
0000000	±5V]]]]]]]]	
00000		± 0.01[] 59.99mV[]
	± 0.01	± 0.05[] [] []
	[
	±0_01 °C ±0_05	24h[] []
	80u Vp-p[] [] [] [] W[] B[]RANGE=1k	50μ Vp-p[] [] [] [] W[] B[]RANGE=2k
		□ x5,000□ FINE□ □ □ BV=2V□
	2Qı Vp-p[] [] [] [] DC[] 30kHz[]	20,1 Vp-p[] [] [] [] DC[] 30kHz[]
	RANGE=1[] [[FINE[] [] []BV=2V[]	RANGE=2]

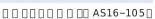




0000000	0 0 0 0 0 0 0 0 AC 0 0 0 0 0 0	0 0 0 0 0 0 0 0 × 0 0 0 0 0 0 0
0000000	1.	1. 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

		AC	: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		DC [] []		
		AS1603 [] [] [] []	AS1703	AS1803 [AS2503	AS2603 [[] [] [] [] [] [] [] []	
0000		2.0× 10 ⁻⁶ [] [p-p[] [] [] [] [] [] [] [] [] []	6.0× 10 ⁻⁶ p-p W/B RANGE 500 FINE BV 2V	2.0×10 ⁻⁶	80× 10-6	50× 10 ⁻⁶ [] [] p-p[] [] [] [] [] [] [] [] [] []	
	00000	□ 50,000□	□ 20,000□	□ 50,000□	□ 10,000□□ BV2V□	□ 5,000□□ BV2V□	
		± 200× 10 ⁻⁶ [] [] [] [] ± 10V[] [] [] RANGE[] 200[FINE] [] []BV[] 2V[]	± 500× 10 ⁻⁶ [] [] [] [] ± 10V[] [] [] RANGE[] 500[FINE] [] [] BV[] 2V[]	± 200× 10 ⁻⁶ [[] [] [] ± 10V [] [] [RANGE [2K]FINE [] [] BV [2V []	±1,000×10 ⁻⁶ [] [] [] ±10V[] [] [] RANGE[] 2k[FINE[]] []BV[] 2V[]	±2,000×10 ⁻⁶ [[] [] ±10V[[] [RANGE[2k]FINE[] [BV[2V]	
		± 0.1%[] FS[] []	± 0.2%[] FS[] []	± 0.1%[] FS[] []	± 0.01%[] FS[] []	± 0.05%[] FS[] []	
		DC[] 2kHz ± 10%	DC□ 10kHz ± 10%	DC□ 2kHz ± 10%	DC 500kHz 11-3dB	DC[] 100kHz [] 1[]— 3dB	
	000000			0.5[] 2V			
			00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
000000	00000000	0000000000000					
	100000						











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	AS1603 [] [] [] [] [] [] [] [] [] []	DC[] 2kHz [] [] 5kHz	210,000	
000000000	AS1703 [] [] [] [] [] [] [] [] [] [DC 10kHz 25kHz	220,000	□ 1□
	AS1803 0 0 0 0 0 0 0 0 0 0 0 0	DC[] 2kHz [] [] 5kHz	230,000	
	AS2508 [] [] [] [] [] []	DC 500kHz [] [] [210,000	
	AS2603 [[] [] [] [] [] [] []	DC[] 100kHz [[[230,000	

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<u> </u>					
	5370	120Ω [15,000		
00000000	5370-5M	12ΩΩ [[] -[5m[17,000		
00000000	5370-10M	120Ω [22,000		
	5373	350Ω ∏ ∏ -∏ 3m∏	15,000		
	5379	120Ω 2m	12,000		
	5380	35ΩΩ □ □ □ −□ 2m□	12,000		
4 20mA	AS16-201	OUTPUT20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10,000	_ 2 __	
	AS16-104	4CH□	53,000		
0 0 0 0 0 0 0 0 0 0	AS16-105	6CH□	57,000	□ □ □ □ 47326 <u>□</u> □ □ □	
	AS16-106	8CH□	63,000		
00000000-0	AS16-107	8CH□	60,000		
	43527		20,000		
	AL13-318	1CH□	1,000	AS[]AG3103[]AL[] [] [] []	
	47326	□ □ 2.5m□ □ □ □ □ □	3,200		
00000-0	AS16-401	2.0m	6.000		
	47229	□ □ 2.5m□ □ − □ □	3,200		
00000000-00	47228	□ □ 2m□ NDIS-□ □ □ □	2,700		
0000000-00	AS21-311	[4,500	A52505[[A52605[]	
0000-000-0	47332	DC[] [] [] [] [] [] [] [] 1/100ATT	6,000	AS2503[]AS2603[]	
	47226	2m BNC- BNC 3	3,500		
	47226-3M	3m BNC- BNC 3	4,000		
	47226-5M	[5,000		
000-00	0311-2057	0 0 2m0 0 0 BNC-00 00 0 000 0- 000 000 000 000 000 000	2,000		
	0311-5084	0	2,000		
	0311-5022	1m BNC- 3	2,500		
	0311-5174	2m 2 - BNC 3	3,000	D 4000000000000000000000000000000000000	
	0311-5200	2m BNC- BNC 3	4,000	RA00000DL00000000	
	AS16-402	□ □ 1.8m D-Sub9pin □ ⇔ D-Sub9pin □	2,000		
	AS16-403	[] [] 2.0m[] D-Sub9pin[] [] ⇔ [] [] OSC[]GND[] [] [] 4[6,000		
	AS16-404	□ □ 2.0m□ D-Sub9pin□ □ ⇔ Y□ □ □□ OSC□GND□BAL□CAL□	9,000		
	47230	□ □ 10m	12,000		
	47231	□ □ 25m	19,500	□ -□ □ □ □ ± 500□ /m	
	PRC03-12A10-7M	7P[] [] []	1,000	NDISTI TI	
	PRC03-32A10-7F	7P[] [] [] [] [] [] []	1,000	NDIS[] []	
			2,000		
			5,000		
			15,000		

0 400 00 OSC00 00 00 GND00 00 00 00

http://www.necsan-ei.co.jp/

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